Framework or Base Geospatial Data	All (176)			State (58)			Others (118)		
	Raw Score	Adjusted Score	Action Category	Raw Score	Adjusted Score	Action Category	Raw Score	Adjusted Score	Action Category
Orthoimagery									
What sensor type do you need?									
Optical/true color	0.77	0.65	B	0.47	0.34	C	0.92	0.68	B
Optical/near, mid or far infrared	0.65	0.55	B	0.30	0.22	D	0.84	0.62	B
Hyperspectral for vegetation	0.72	0.61	B	0.38	0.27	C	0.90	0.67	B
Hyperspectral for geology	0.27	0.23	D	0.14	0.10	D	0.34	0.25	D
Microwave/radar	0.35	0.29	C	0.15	0.11	D	0.44	0.33	C
What resolution do you need?									
Low (greater than 5 m)	0.24	0.20	D	0.26	0.18	D	0.23	0.17	D
Medium (5 to 2 m)	0.41	0.34	C	0.51	0.36	C	0.37	0.28	C
High (1.9 to 0.1 m)	1.08	0.91	A	1.14	0.81	A	1.06	0.79	A
Very High (less than 0.1 m)	0.79	0.66	B	0.62	0.44	C	0.86	0.64	B
How current does the imagery need to be?									
Hours (emergency response)	0.45	0.38	C	0.32	0.23	D	0.49	0.37	C
Days	0.37	0.31	C	0.22	0.16	D	0.42	0.31	C
Weeks	0.50	0.42	C	0.30	0.21	D	0.60	0.44	C
Months	1.01	0.85	A	0.79	0.57	B	1.10	0.82	A
Year or more	0.50	0.42	C	0.60	0.43	C	0.45	0.34	C
Elevation									
Terrain Model	0.74	0.62	B	0.47	0.33	C	0.87	0.64	B
Surface Model	0.85	0.71	B	0.58	0.41	C	0.96	0.71	B
Bathymetry	0.47	0.40	C	0.20	0.15	D	0.58	0.43	C
10 m Resolution	0.50	0.42	C	0.31	0.22	D	0.56	0.42	C
5 m Resolution	0.73	0.62	B	0.54	0.39	C	0.81	0.60	B
2.5 m Resolution	0.92	0.78	A	0.59	0.42	C	1.07	0.79	A
1 m or Better Resolution	1.04	0.87	A	0.70	0.50	C	1.17	0.87	A
Other Elevation Data	0.24	0.20	D	0.01	0.00	D	0.45	0.33	C
Survey and Geodetic Control	0.57	0.48	C	0.36	0.26	C	0.65	0.48	C
Transportation									
Roads	0.71	0.60	B	0.81	0.58	B	0.68	0.50	B
Airports	0.71	0.60	B	0.38	0.27	C	0.89	0.66	B
Railroads	0.49	0.41	C	0.65	0.46	C	0.44	0.32	C
Other Transportation Data	0.55	0.46	C	0.75	0.53	B	0.47	0.35	C
Boundaries									
Cities/Urban Areas	0.67	0.56	B	0.88	0.63	B	0.59	0.44	C
Counties	0.35	0.29	C	0.51	0.36	C	0.29	0.21	D
Federal Agencies & Jurisdictions	0.75	0.63	B	0.95	0.68	B	0.69	0.51	B
Legislative/Voting Districts	0.52	0.44	C	0.39	0.28	C	0.58	0.43	C
Local Special Districts	0.96	0.81	A	1.22	0.87	A	0.87	0.64	B
State Agencies & Jurisdictions	0.90	0.76	A	1.07	0.76	A	0.84	0.62	B
Regional Agencies & Jurisdictions	0.89	0.75	B	1.04	0.74	B	0.84	0.62	B
Other Boundaries Data	0.85	0.72	B	0.95	0.68	B	0.81	0.60	B
Geographic Place Names	0.46	0.39	C	0.45	0.32	C	0.47	0.35	C
Hydrography									
Coast Line	0.39	0.32	C	0.35	0.25	C	0.39	0.29	C
Ground Water Basins	0.91	0.77	A	0.61	0.43	C	1.05	0.78	A
Surface Waters	0.75	0.63	B	0.90	0.64	B	0.71	0.52	B
Watersheds	0.67	0.56	B	0.57	0.41	C	0.72	0.53	B
Other Hydrography Data	0.57	0.48	C	0.43	0.31	C	0.63	0.47	C
Cadastral (parcels)									
Private Lands	1.13	0.95	A	1.40	1.00	A	1.01	0.75	A
Public Lands	0.89	0.75	B	1.03	0.74	B	0.83	0.61	B
Building Footprints	1.19	1.00	A	0.82	0.59	B	1.35	1.00	A
Tax Role Data	0.79	0.66	B	0.61	0.43	C	0.83	0.61	B
Tribal Lands	0.93	0.78	A	1.17	0.84	A	0.83	0.62	B
Other Cadastral Data	0.49	0.42	C	0.55	0.39	C	0.47	0.35	C
Demographics									
Block, Block Group or Tracts	0.51	0.43	C	0.83	0.59	B	0.41	0.30	C
Population Estimates	0.94	0.79	A	1.22	0.87	A	0.84	0.62	B
Population Growth Projections	1.17	0.98	A	1.36	0.97	A	1.10	0.81	A
Other Demographics Data	0.78	0.65	B	0.80	0.57	B	0.77	0.57	B
Scanned Maps									
Contemporary	0.83	0.70	B	0.69	0.49	C	0.88	0.65	B
Historic	0.84	0.71	B	0.64	0.46	C	0.92	0.68	B
Other Scanned Maps	0.45	0.38	C	0.25	0.18	D	0.55	0.41	C
Climate Data	0.89	0.75	B	0.72	0.52	B	0.97	0.71	B
Land Cover									
Cover Type/Life form	1.17	0.98	A	0.80	0.57	B	1.33	0.98	A
Structural Characteristics (Size, Canopy, etc.)	1.08	0.91	A	0.68	0.48	C	1.26	0.94	A
Land Use	1.13	0.95	A	1.12	0.80	A	1.14	0.84	A
Geocoding/Address Matching	0.85	0.71	B	1.14	0.81	A	0.75	0.56	B
Maximum	1.19	1.00		1.40	1.00		1.35	1.00	
Minimum	0.24	0.20		0.01	0.00		0.23	0.17	

California Geospatial Framework Data Survey Results

Agency/Organization Type:		
18	10%	Federal Government
58	33%	State Government
3	2%	Tribal Government
24	14%	County Government
20	11%	City Government
6	3%	Regional Government
0	0%	Professional Association
4	2%	GIS Collaborative
16	9%	Academic
10	6%	Private, Nonprofit
6	3%	Commercial
11	6%	Other

176 Total Responders

Tally Date 1/12/2005

Job Function:		
104	59%	GIS Staff, Manager, Executive
5	3%	IT Staff, Manager, Executive
31	18%	Program Staff, Manager, Executive
0	0%	Elected Official
36	20%	Other

176 Total Responders check sum

Edit values in blue shaded cells to change display

Framework or Base Geospatial Data	Please rate the importance of the following geospatial data to your work.				Are your needs for these data being adequately met?			Shaded green if >=	25%				Shaded green if >=	50%
	Essential	Important	Useful	Not Important	Yes	No		Essential	Important	Useful	Not Important		Yes	No
Orthoimagery														
What sensor type do you need?														
Optical/true color	78	46	21	23	88	52	168	46.4%	27.4%	12.5%	13.7%	140	62.9%	37.1%
Optical/near, mid or far infrared	23	26	48	52	45	60	149	15.4%	17.4%	32.2%	34.9%	105	42.9%	57.1%
Hyperspectral for vegetation	15	34	45	58	31	70	152	9.9%	22.4%	29.6%	38.2%	101	30.7%	69.3%
Hyperspectral for geology	3	9	45	92	39	50	149	2.0%	6.0%	30.2%	61.7%	89	43.8%	56.2%
Microwave/radar	6	10	41	87	32	55	144	4.2%	6.9%	28.5%	60.4%	87	36.8%	63.2%
What resolution do you need?														
Low (greater than 5 m)	23	11	50	66	84	28	150	15.3%	7.3%	33.3%	44.0%	112	75.0%	25.0%
Medium (5 to 2 m)	13	41	54	40	76	40	148	8.8%	27.7%	36.5%	27.0%	116	65.5%	34.5%
High (1.9 to 0.1 m)	62	56	22	21	59	70	161	38.5%	34.8%	13.7%	13.0%	129	45.7%	54.3%
Very High (less than 0.1 m)	20	40	37	56	37	79	153	13.1%	26.1%	24.2%	36.6%	116	31.9%	68.1%
How current does the imagery need to be?														
Hours (emergency response)	14	18	21	90	35	66	143	9.8%	12.6%	14.7%	62.9%	101	34.7%	65.3%
Days	4	17	42	79	39	59	142	2.8%	12.0%	29.6%	55.6%	98	39.8%	60.2%
Weeks	1	23	60	57	34	64	141	0.7%	16.3%	42.6%	40.4%	98	34.7%	65.3%
Months	27	55	53	14	47	76	149	18.1%	36.9%	35.6%	9.4%	123	38.2%	61.8%
Year or more	65	42	32	14	102	33	153	42.5%	27.5%	20.9%	9.2%	135	75.6%	24.4%
Elevation														
Terrain Model	46	45	37	20	74	52	148	31.1%	30.4%	25.0%	13.5%	126	58.7%	41.3%
Surface Model	34	54	37	21	58	58	146	23.3%	37.0%	25.3%	14.4%	116	50.0%	50.0%
Bathymetry	13	24	36	65	50	56	138	9.4%	17.4%	26.1%	47.1%	106	47.2%	52.8%
10 m Resolution	24	30	41	28	72	40	123	19.5%	24.4%	33.3%	22.8%	112	64.3%	35.7%
5 m Resolution	12	44	46	37	45	67	139	8.6%	31.7%	33.1%	26.6%	112	40.2%	59.8%
2.5 m Resolution	16	50	41	35	34	77	142	11.3%	35.2%	28.9%	24.6%	111	30.6%	69.4%
1 m or Better Resolution	31	43	33	38	33	80	145	21.4%	29.7%	22.8%	26.2%	113	29.2%	70.8%
Other Elevation Data	3	5	11	52	23	31	71	4.2%	7.0%	15.5%	73.2%	54	42.6%	57.4%
Survey and Geodetic Control	24	20	23	24	38	24	91	26.4%	22.0%	25.3%	26.4%	62	61.3%	38.7%

Framework or Base Geospatial Data	Essential	Important	Useful	Not Important	Yes	No		Essential	Important	Useful	Not Important		Yes	No
Transportation														
Roads	140	19	10	1	103	36	170	82.4%	11.2%	5.9%	0.6%	139	74.1%	25.9%
Airports	15	35	44	58	32	69	152	9.9%	23.0%	28.9%	38.2%	101	31.7%	68.3%
Railroads	58	39	49	11	90	31	157	36.9%	24.8%	31.2%	7.0%	121	74.4%	25.6%
Other Transportation Data	24	26	19	23	40	22	92	26.1%	28.3%	20.7%	25.0%	62	64.5%	35.5%
Boundaries														
Cities/Urban Areas	132	31	6	1	105	34	170	77.6%	18.2%	3.5%	0.6%	139	75.5%	24.5%
Counties	129	23	16	2	119	18	170	75.9%	13.5%	9.4%	1.2%	137	86.9%	13.1%
Federal Agencies & Jurisdictions	80	43	33	9	83	44	165	48.5%	26.1%	20.0%	5.5%	127	65.4%	34.6%
Legislative/Voting Districts	51	36	45	27	79	35	159	32.1%	22.6%	28.3%	17.0%	114	69.3%	30.7%
Local Special Districts	55	41	40	22	48	54	158	34.8%	25.9%	25.3%	13.9%	102	47.1%	52.9%
State Agencies & Jurisdictions	58	44	42	11	67	57	155	37.4%	28.4%	27.1%	7.1%	124	54.0%	46.0%
Regional Agencies & Jurisdictions	62	48	39	12	67	54	161	38.5%	29.8%	24.2%	7.5%	121	55.4%	44.6%
Other Boundaries Data	38	29	12	23	38	34	102	37.3%	28.4%	11.8%	22.5%	72	52.8%	47.2%
Geographic Place Names	51	40	22	5	77	21	118	43.2%	33.9%	18.6%	4.2%	98	78.6%	21.4%
Hydrography														
Coast Line	55	35	32	38	93	28	160	34.4%	21.9%	20.0%	23.8%	121	76.9%	23.1%
Ground Water Basins	49	48	38	24	57	61	159	30.8%	30.2%	23.9%	15.1%	118	48.3%	51.7%
Surface Waters	89	42	32	9	88	45	172	51.7%	24.4%	18.6%	5.2%	133	66.2%	33.8%
Watersheds	69	50	33	17	86	43	169	40.8%	29.6%	19.5%	10.1%	129	66.7%	33.3%
Other Hydrography Data	22	12	12	34	30	24	80	27.5%	15.0%	15.0%	42.5%	54	55.6%	44.4%
Cadastral (parcels)														
Private Lands	101	24	22	14	68	65	161	62.7%	14.9%	13.7%	8.7%	133	51.1%	48.9%
Public Lands	110	30	16	12	84	49	168	65.5%	17.9%	9.5%	7.1%	133	63.2%	36.8%
Building Footprints	39	46	45	34	27	89	164	23.8%	28.0%	27.4%	20.7%	116	23.3%	76.7%
Tax Role Data	61	17	33	40	56	51	151	40.4%	11.3%	21.9%	26.5%	107	52.3%	47.7%
Tribal Lands	50	44	40	29	55	66	163	30.7%	27.0%	24.5%	17.8%	121	45.5%	54.5%
Other Cadastral Data (list examples below)	15	7	13	30	26	21	65	23.1%	10.8%	20.0%	46.2%	47	55.3%	44.7%
Demographics														
Block, Block Group or Tracts	81	36	27	18	93	30	162	50.0%	22.2%	16.7%	11.1%	123	75.6%	24.4%
Population Estimates	84	39	26	18	70	55	167	50.3%	23.4%	15.6%	10.8%	125	56.0%	44.0%
Population Growth Projections	78	43	28	18	55	70	167	46.7%	25.7%	16.8%	10.8%	125	44.0%	56.0%
Other Demographics Data	28	15	11	28	27	28	82	34.1%	18.3%	13.4%	34.1%	55	49.1%	50.9%
Scanned Maps														
Contemporary	48	33	53	29	56	59	163	29.4%	20.2%	32.5%	17.8%	115	48.7%	51.3%
Historic	29	39	55	38	45	72	161	18.0%	24.2%	34.2%	23.6%	117	38.5%	61.5%
Other Scanned Maps	4	10	9	32	16	24	55	7.3%	18.2%	16.4%	58.2%	40	40.0%	60.0%
Climate Data	25	19	37	29	28	52	110	22.7%	17.3%	33.6%	26.4%	80	35.0%	65.0%
Land Cover														
Cover Type/Life form	53	45	39	28	40	81	165	32.1%	27.3%	23.6%	17.0%	121	33.1%	66.9%
Structural Characteristics (Size, Canopy, etc.)	30	43	46	34	29	84	153	19.6%	28.1%	30.1%	22.2%	113	25.7%	74.3%
Land Use	76	37	15	11	55	54	139	54.7%	26.6%	10.8%	7.9%	109	50.5%	49.5%
Geocoding/Address Matching	87	30	20	18	70	44	155	56.1%	19.4%	12.9%	11.6%	114	61.4%	38.6%

Column group headers:
- "Please rate the importance of the following geospatial data to your work." (Essential, Important, Useful, Not Important)
- "Are your needs for these data being adequately met?" (Yes, No)
- "Shaded green if >= 25%" (Essential, Important, Useful, Not Important)
- "Shaded green if >= 50%" (Yes, No)

Framework or Base Geospatial Data	Please rate the importance of the following geospatial data to your work.				Are your needs for these data being adequately met?		Shaded green if >= 25%				Shaded green if >= 50%	
	Essential	Important	Useful	Not Important	Yes	No	Essential	Important	Useful	Not Important	Yes	No

Total average annual expenditure on the following:

	In-house	Out Sourced	Shared Costs*	Subtotal	% Total	Average/Org
Orthoimagery	$ 1,037,402	$ 3,644,510	$ 1,389,520	$ 6,071,432	22%	$ 63,910
Elevation	$ 1,012,200	$ 3,281,410	$ 459,000	$ 4,752,610	17%	$ 50,027
Survey and Geodetic Control	$ 1,356,200	$ 638,010	$ 320,000	$ 2,314,210	8%	$ 24,360
Transportation	$ 3,459,970	$ 436,500	$ 20,000	$ 3,916,470	14%	$ 41,226
Boundaries	$ 895,420	$ 313,500	$ 170,000	$ 1,378,920	5%	$ 14,515
Hydrography	$ 105,010	$ 9,000	$ 60,000	$ 174,010	1%	$ 1,832
Cadastral (parcels)	$ 4,431,520	$ 199,400	$ 515,000	$ 5,145,920	18%	$ 54,168
Demographics	$ 628,860	$ 15,000	$ 1,000	$ 644,860	2%	$ 6,788
Scanned Maps	$ 398,030	$ 11,650	$ -	$ 409,680	1%	$ 4,312
Climate Date	$ 2,000	$ 3,500	$ 500	$ 6,000	0%	$ 63
Land Cover	$ 400,505	$ 730,000	$ 1,000	$ 1,131,505	4%	$ 11,911
Land Use	$ 715,510	$ 110,500	$ 125,000	$ 951,010	3%	$ 10,011
Geocoding/Address Matching	$ 1,061,920	$ 80,000	$ 50,000	$ 1,191,920	4%	$ 12,547
Subtotals	$ 15,504,547	$ 9,472,980.00	$ 3,111,020			$ 295,669
Total		$28,088,547				
Average Expenditure per Respondent		$295,669				

Total Reporting Expenditures = 95
Total State Agencies Reporting Expenditures = 28

* External monies from partners, grants and other third party sources

California Framework Geospatial Data Needs Survey - State Agencies

Agency/Organization Type:					
	0%	Federal Government		58 Total Responders	
58	100%	State Government			Tally Date 1/12/2005
	0%	Tribal Government			
	0%	County Government			
	0%	City Government			
	0%	Regional Government			
	0%	Professional Association			
	0%	GIS Collaborative			
	0%	Academic			
	0%	Private, Nonprofit			
	0%	Commercial			
	0%	Other			

Job Function:			
23	40%	GIS Staff, Manager, Executive	58 Total Responders check sum
1	2%	IT Staff, Manager, Executive	
18	31%	Program Staff, Manager, Executive	
0	0%	Elected Official	
16	28%	Other	

Edit values in blue shaded cells on 1st tab to change display

Framework or Base Geospatial Data	Essential	Important	Useful	Not Important	Yes	No		Essential (≥25%)	Important	Useful	Not Important		Yes (≥50%)	No
Orthoimagery														
What sensor type do you need?														
Optical/true color	14	13	8	19	26	13	54	25.9%	24.1%	14.8%	35.2%	39	66.7%	33.3%
Optical/near, mid or far infrared	4	7	11	28	16	11	50	8.0%	14.0%	22.0%	56.0%	27	59.3%	40.7%
Hyperspectral for vegetation	2	10	11	29	12	14	52	3.8%	19.2%	21.2%	55.8%	26	46.2%	53.8%
Hyperspectral for geology	1	3	10	36	15	9	50	2.0%	6.0%	20.0%	72.0%	24	62.5%	37.5%
Microwave/radar	3	3	4	37	13	8	47	6.4%	6.4%	8.5%	78.7%	21	61.9%	38.1%
What resolution do you need?														
Low (greater than 5 m)	5	5	19	18	21	8	47	10.6%	10.6%	40.4%	38.3%	29	72.4%	27.6%
Medium (5 to 2 m)	5	13	15	15	17	13	48	10.4%	27.1%	31.3%	31.3%	30	56.7%	43.3%
High (1.9 to 0.1 m)	17	19	2	13	12	21	51	33.3%	37.3%	3.9%	25.5%	33	36.4%	63.6%
Very High (less than 0.1 m)	6	8	8	25	8	18	47	12.8%	17.0%	17.0%	53.2%	26	30.8%	69.2%
How current does the imagery need to be?														
Hours (emergency response)	5	6	4	31	12	11	46	10.9%	13.0%	8.7%	67.4%	23	52.2%	47.8%
Days	2	7	6	30	13	8	45	4.4%	15.6%	13.3%	66.7%	21	61.9%	38.1%
Weeks	0	6	13	25	10	11	44	0.0%	13.6%	29.5%	56.8%	21	47.6%	52.4%
Months	7	15	16	9	12	15	47	14.9%	31.9%	34.0%	19.1%	27	44.4%	55.6%
Year or more	18	16	9	7	26	12	50	36.0%	32.0%	18.0%	14.0%	38	68.4%	31.6%
Elevation														
Terrain Model	11	11	10	16	19	10	48	22.9%	22.9%	20.8%	33.3%	29	65.5%	34.5%
Surface Model	9	14	9	13	16	11	45	20.0%	31.1%	20.0%	28.9%	27	59.3%	40.7%
Bathymetry	5	5	3	27	17	7	40	12.5%	12.5%	7.5%	67.5%	24	70.8%	29.2%
10 m Resolution	3	12	10	8	19	6	33	9.1%	36.4%	30.3%	24.2%	25	76.0%	24.0%
5 m Resolution	4	8	13	16	12	14	41	9.8%	19.5%	31.7%	39.0%	26	46.2%	53.8%
2.5 m Resolution	3	12	8	20	10	16	43	7.0%	27.9%	18.6%	46.5%	26	38.5%	61.5%
1 m or Better Resolution	9	10	7	17	12	15	43	20.9%	23.3%	16.3%	39.5%	27	44.4%	55.6%
Other Elevation Data	0	0	1	24	11	2	25	0.0%	0.0%	4.0%	96.0%	13	84.6%	15.4%
Survey and Geodetic Control	6	4	4	10	10	4	24	25.0%	16.7%	16.7%	41.7%	14	71.4%	28.6%

Framework or Base Geospatial Data	Essential	Important	Useful	Not Important	Yes	No		Essential	Important	Useful	Not Important		Yes	No
Transportation														
Roads	44	7	3	1	26	11	55	80.0%	12.7%	5.5%	1.8%	37	70.3%	29.7%
Airports	2	10	10	29	12	14	51	3.9%	19.6%	19.6%	56.9%	26	46.2%	53.8%
Railroads	18	11	15	6	20	11	50	36.0%	22.0%	30.0%	12.0%	31	64.5%	35.5%
Other Transportation Data	10	9	4	10	10	9	33	30.3%	27.3%	12.1%	30.3%	19	52.6%	47.4%
Boundaries														
Cities/Urban Areas	42	9	2	1	25	12	54	77.8%	16.7%	3.7%	1.9%	37	67.6%	32.4%
Counties	42	8	3	1	30	7	54	77.8%	14.8%	5.6%	1.9%	37	81.1%	18.9%
Federal Agencies & Jurisdictions	24	11	13	5	17	15	53	45.3%	20.8%	24.5%	9.4%	32	53.1%	46.9%
Legislative/Voting Districts	15	7	14	13	20	7	49	30.6%	14.3%	28.6%	26.5%	27	74.1%	25.9%
Local Special Districts	14	13	12	11	6	19	50	28.0%	26.0%	24.0%	22.0%	25	24.0%	76.0%
State Agencies & Jurisdictions	19	12	11	5	15	18	47	40.4%	25.5%	23.4%	10.6%	33	45.5%	54.5%
Regional Agencies & Jurisdictions	19	12	12	6	14	17	49	38.8%	24.5%	24.5%	12.2%	31	45.2%	54.8%
Other Boundaries Data	15	9	0	9	11	11	33	45.5%	27.3%	0.0%	27.3%	22	50.0%	50.0%
Geographic Place Names	19	11	6	3	23	6	39	48.7%	28.2%	15.4%	7.7%	29	79.3%	20.7%
Hydrography														
Coast Line	17	10	13	9	23	6	49	34.7%	20.4%	26.5%	18.4%	29	79.3%	20.7%
Ground Water Basins	11	11	12	15	15	12	49	22.4%	22.4%	24.5%	30.6%	27	55.6%	44.4%
Surface Waters	19	13	14	8	15	15	54	35.2%	24.1%	25.9%	14.8%	30	50.0%	50.0%
Watersheds	17	10	12	13	18	10	52	32.7%	19.2%	23.1%	25.0%	28	64.3%	35.7%
Other Hydrography Data	8	1	2	16	7	5	27	29.6%	3.7%	7.4%	59.3%	12	58.3%	41.7%
Cadastral (parcels)														
Private Lands	26	4	11	10	9	25	51	51.0%	7.8%	21.6%	19.6%	34	26.5%	73.5%
Public Lands	29	6	9	10	17	18	54	53.7%	11.1%	16.7%	18.5%	35	48.6%	51.4%
Building Footprints	11	8	13	19	9	19	51	21.6%	15.7%	25.5%	37.3%	28	32.1%	67.9%
Tax Role Data	8	5	11	22	11	18	46	17.4%	10.9%	23.9%	47.8%	29	37.9%	62.1%
Tribal Lands	17	15	15	7	12	23	54	31.5%	27.8%	27.8%	13.0%	35	34.3%	65.7%
Other Cadastral Data	7	1	1	16	6	8	25	28.0%	4.0%	4.0%	64.0%	14	42.9%	57.1%
Demographics														
Block, Block Group or Tracts	28	8	6	9	18	12	51	54.9%	15.7%	11.8%	17.6%	30	60.0%	40.0%
Population Estimates	33	8	5	8	14	17	54	61.1%	14.8%	9.3%	14.8%	31	45.2%	54.8%
Population Growth Projections	29	10	7	8	11	20	54	53.7%	18.5%	13.0%	14.8%	31	35.5%	64.5%
Other Demographics Data	10	5	1	14	7	10	30	33.3%	16.7%	3.3%	46.7%	17	41.2%	58.8%
Scanned Maps														
Contemporary	17	11	9	13	18	13	50	34.0%	22.0%	18.0%	26.0%	31	58.1%	41.9%
Historic	6	11	13	17	12	16	47	12.8%	23.4%	27.7%	36.2%	28	42.9%	57.1%
Other Scanned Maps	3	2	0	16	6	4	21	14.3%	9.5%	0.0%	76.2%	10	60.0%	40.0%
Climate Data	6	5	13	12	8	14	36	16.7%	13.9%	36.1%	33.3%	22	36.4%	63.6%
Land Cover														
Cover Type/Life form	12	13	10	17	11	15	52	23.1%	25.0%	19.2%	32.7%	26	42.3%	57.7%
Structural Characteristics (Size, Canopy, etc.)	6	13	10	21	9	15	50	12.0%	26.0%	20.0%	42.0%	24	37.5%	62.5%
Land Use	18	11	9	8	11	17	46	39.1%	23.9%	19.6%	17.4%	28	39.3%	60.7%
Geocoding/Address Matching	27	10	5	8	13	15	50	54.0%	20.0%	10.0%	16.0%	28	46.4%	53.6%

Column group headers:
- *Please rate the importance of the following geospatial data to your work.* → Essential, Important, Useful, Not Important
- **Are your needs for these data being adequately met?** → Yes, No
- **Shaded green if >= 25%** → Essential, Important, Useful, Not Important
- **Shaded green if >= 50%** → Yes, No

Framework or Base Geospatial Data	Please rate the importance of the following geospatial data to your work.				Are your needs for these data being adequately met?		Shaded green if >= 25%				Shaded green if >= 50%	
	Essential	Important	Useful	Not Important	Yes	No	Essential	Important	Useful	Not Important	Yes	No

Total average annual expenditure on the following:

	In-house	Out Sourced	Shared Costs*
Orthoimagery	$ 271,000	$ 44,500	$ 20
Elevation	$ 405,000	$ 5,000	$ -
Survey and Geodetic Control	$ 100,000	$ -	$ -
Transportation	$ 2,030	$ 84,000	$ -
Boundaries	$ 10,000	$ 3,000	$ -
Hydrography	$ -	$ -	$ -
Cadastral (parcels)	$ 110,000	$ 14,000	$ -
Demographics	$ 10,010	$ 7,000	$ -
Scanned Maps	$ 5,000	$ 500	$ -
Climate Date	$ -	$ 1,000	$ -
Land Cover	$ -	$ -	$ -
Land Use	$ 40,000	$ -	$ -
Geocoding/Address Matching	$ 35,010	$ 46,000	$ -
Subtotals	$ 988,050	$ 205,000.00	$ 20
Total		$1,193,070	
Average Expenditure per Respondent		$42,610	

* External monies from partners, grants and other third party sources

Agency/Organization Type:		
18	15%	Federal Government
0	0%	State Government
3	3%	Tribal Government
24	20%	County Government
20	17%	City Government
6	5%	Regional Government
0	0%	Professional Association
4	3%	GIS Collaborative
16	14%	Academic
10	8%	Private, Nonprofit
6	5%	Commercial
11	9%	Other

118 Total Responders

Tally Date 1/12/2005

Job Function:		
81	69%	GIS Staff, Manager, Executive
4	3%	IT Staff, Manager, Executive
13	11%	Program Staff, Manager, Executive
0	0%	Elected Official
20	17%	Other

118 Total Responders check sum

Edit values in blue shaded cells on 1st tab to change display

Framework or Base Geospatial Data	Please rate the importance of the following geospatial data to your work.				Are your needs for these data being adequately met?			Shaded green if >= 25%				Shaded green if >= 50%	
	Essential	Important	Useful	Not Important	Yes	No		Essential	Important	Useful	Not Important	Yes	No
Orthoimagery													
What sensor type do you need?													
Optical/true color	64	33	13	4	62	39	114	56.1%	28.9%	11.4%	3.5%	101	61.4%	38.6%
Optical/near, mid or far infrared	19	19	37	24	29	49	99	19.2%	19.2%	37.4%	24.2%	78	37.2%	62.8%
Hyperspectral for vegetation	13	24	34	29	19	56	100	13.0%	24.0%	34.0%	29.0%	75	25.3%	74.7%
Hyperspectral for geology	2	6	35	56	24	41	99	2.0%	6.1%	35.4%	56.6%	65	36.9%	63.1%
Microwave/radar	3	7	37	50	19	47	97	3.1%	7.2%	38.1%	51.5%	66	28.8%	71.2%
What resolution do you need?													
Low (greater than 5 m)	18	6	31	48	63	20	103	17.5%	5.8%	30.1%	46.6%	83	75.9%	24.1%
Medium (5 to 2 m)	8	28	39	25	59	27	100	8.0%	28.0%	39.0%	25.0%	86	68.6%	31.4%
High (1.9 to 0.1 m)	45	37	20	8	47	49	110	40.9%	33.6%	18.2%	7.3%	96	49.0%	51.0%
Very High (less than 0.1 m)	14	32	29	31	29	61	106	13.2%	30.2%	27.4%	29.2%	90	32.2%	67.8%
How current does the imagery need to be?													
Hours (emergency response)	9	12	17	59	23	55	97	9.3%	12.4%	17.5%	60.8%	78	29.5%	70.5%
Days	2	10	36	49	26	51	97	2.1%	10.3%	37.1%	50.5%	77	33.8%	66.2%
Weeks	1	17	47	32	24	53	97	1.0%	17.5%	48.5%	33.0%	77	31.2%	68.8%
Months	20	40	37	5	35	61	102	19.6%	39.2%	36.3%	4.9%	96	36.5%	63.5%
Year or more	47	26	23	7	76	21	103	45.6%	25.2%	22.3%	6.8%	97	78.4%	21.6%
Elevation													
Terrain Model	35	34	27	4	55	42	100	35.0%	34.0%	27.0%	4.0%	97	56.7%	43.3%
Surface Model	25	40	28	8	42	47	101	24.8%	39.6%	27.7%	7.9%	89	47.2%	52.8%
Bathymetry	8	19	33	38	33	49	98	8.2%	19.4%	33.7%	38.8%	82	40.2%	59.8%
10 m Resolution	21	18	31	20	53	34	90	23.3%	20.0%	34.4%	22.2%	87	60.9%	39.1%
5 m Resolution	8	36	33	21	33	53	98	8.2%	36.7%	33.7%	21.4%	86	38.4%	61.6%
2.5 m Resolution	13	38	33	15	24	61	99	13.1%	38.4%	33.3%	15.2%	85	28.2%	71.8%
1 m or Better Resolution	22	33	26	21	21	65	102	21.6%	32.4%	25.5%	20.6%	86	24.4%	75.6%
Other Elevation Data	3	5	10	28	12	29	46	6.5%	10.9%	21.7%	60.9%	41	29.3%	70.7%
Survey and Geodetic Control	18	16	19	14	28	20	67	26.9%	23.9%	28.4%	20.9%	48	58.3%	41.7%

Framework or Base Geospatial Data	Please rate the importance of the following geospatial data to your work.				Are your needs for these data being adequately met?			Shaded green if >= 25%					Shaded green if >= 50%	
	Essential	Important	Useful	Not Important	Yes	No		Essential	Important	Useful	Not Important		Yes	No
Transportation														
Roads	96	12	7	0	77	25	115	83.5%	10.4%	6.1%	0.0%	102	75.5%	24.5%
Airports	13	25	34	29	20	55	101	12.9%	24.8%	33.7%	28.7%	75	26.7%	73.3%
Railroads	40	28	34	5	70	20	107	37.4%	26.2%	31.8%	4.7%	90	77.8%	22.2%
Other Transportation Data	14	17	15	13	30	13	59	23.7%	28.8%	25.4%	22.0%	43	69.8%	30.2%
Boundaries														
Cities/Urban Areas	90	22	4	0	80	22	116	77.6%	19.0%	3.4%	0.0%	102	78.4%	21.6%
Counties	87	15	13	1	89	11	116	75.0%	12.9%	11.2%	0.9%	100	89.0%	11.0%
Federal Agencies & Jurisdictions	56	32	20	4	66	29	112	50.0%	28.6%	17.9%	3.6%	95	69.5%	30.5%
Legislative/Voting Districts	36	29	31	14	59	28	110	32.7%	26.4%	28.2%	12.7%	87	67.8%	32.2%
Local Special Districts	41	28	28	11	42	35	108	38.0%	25.9%	25.9%	10.2%	77	54.5%	45.5%
State Agencies & Jurisdictions	39	32	31	6	52	39	108	36.1%	29.6%	28.7%	5.6%	91	57.1%	42.9%
Regional Agencies & Jurisdictions	43	36	27	6	53	37	112	38.4%	32.1%	24.1%	5.4%	90	58.9%	41.1%
Other Boundaries Data	23	20	12	14	27	23	69	33.3%	29.0%	17.4%	20.3%	50	54.0%	46.0%
Geographic Place Names	32	29	16	2	54	15	79	40.5%	36.7%	20.3%	2.5%	69	78.3%	21.7%
Hydrography														
Coast Line	38	25	19	29	70	22	111	34.2%	22.5%	17.1%	26.1%	92	76.1%	23.9%
Ground Water Basins	38	37	26	9	42	49	110	34.5%	33.6%	23.6%	8.2%	91	46.2%	53.8%
Surface Waters	70	29	18	1	73	30	118	59.3%	24.6%	15.3%	0.8%	103	70.9%	29.1%
Watersheds	52	40	21	4	68	33	117	44.4%	34.2%	17.9%	3.4%	101	67.3%	32.7%
Other Hydrography Data	14	11	10	18	23	19	53	26.4%	20.8%	18.9%	34.0%	42	54.8%	45.2%
Cadastral (parcels)														
Private Lands	75	20	11	4	59	40	110	68.2%	18.2%	10.0%	3.6%	99	59.6%	40.4%
Public Lands	81	24	7	2	67	31	114	71.1%	21.1%	6.1%	1.8%	98	68.4%	31.6%
Building Footprints	28	38	32	15	18	70	113	24.8%	33.6%	28.3%	13.3%	88	20.5%	79.5%
Tax Role Data	53	12	22	18	45	33	105	50.5%	11.4%	21.0%	17.1%	78	57.7%	42.3%
Tribal Lands	33	29	25	22	43	43	109	30.3%	26.6%	22.9%	20.2%	86	50.0%	50.0%
Other Cadastral Data	8	6	12	14	20	13	40	20.0%	15.0%	30.0%	35.0%	33	60.6%	39.4%
Demographics														
Block, Block Group or Tracts	53	28	21	9	75	18	111	47.7%	25.2%	18.9%	8.1%	93	80.6%	19.4%
Population Estimates	51	31	21	10	56	38	113	45.1%	27.4%	18.6%	8.8%	94	59.6%	40.4%
Population Growth Projections	49	33	21	10	44	50	113	43.4%	29.2%	18.6%	8.8%	94	46.8%	53.2%
Other Demographics Data	18	10	10	14	20	18	52	34.6%	19.2%	19.2%	26.9%	38	52.6%	47.4%
Scanned Maps														
Contemporary	31	22	44	16	38	46	113	27.4%	19.5%	38.9%	14.2%	84	45.2%	54.8%
Historic	23	28	42	21	33	56	114	20.2%	24.6%	36.8%	18.4%	89	37.1%	62.9%
Other Scanned Maps	1	8	9	16	10	20	34	2.9%	23.5%	26.5%	47.1%	30	33.3%	66.7%
Climate Data	19	14	24	17	20	38	74	25.7%	18.9%	32.4%	23.0%	58	34.5%	65.5%
Land Cover														
Cover Type/Life form	41	32	29	11	29	66	113	36.3%	28.3%	25.7%	9.7%	95	30.5%	69.5%
Structural Characteristics (Size, Canopy, etc.)	24	30	36	13	20	69	103	23.3%	29.1%	35.0%	12.6%	89	22.5%	77.5%
Land Use	58	26	6	3	44	37	93	62.4%	28.0%	6.5%	3.2%	81	54.3%	45.7%
Geocoding/Address Matching	60	20	15	10	57	29	105	57.1%	19.0%	14.3%	9.5%	86	66.3%	33.7%

Framework or Base Geospatial Data	Please rate the importance of the following geospatial data to your work.				Are your needs for these data being adequately met?		Shaded green if >= 25%				Shaded green if >= 50%	
	Essential	Important	Useful	Not Important	Yes	No	Essential	Important	Useful	Not Important	Yes	No

Total average annual expenditure on the following:

	In-house	Out Sourced	Shared Costs*
			* External monies from partners, grants and other third party sources
Orthoimagery	$ 766,402	$ 3,600,010	$ 1,389,500
Elevation	$ 607,200	$ 3,276,410	$ 459,000
Survey and Geodetic Control	$ 1,256,200	$ 638,010	$ 320,000
Transportation	$ 3,457,940	$ 352,500	$ 20,000
Boundaries	$ 885,420	$ 310,500	$ 170,000
Hydrography	$ 105,010	$ 9,000	$ 60,000
Cadastral (parcels)	$ 4,321,520	$ 185,400	$ 515,000
Demographics	$ 618,850	$ 8,000	$ 1,000
Scanned Maps	$ 393,030	$ 11,150	$ -
Climate Date	$ 2,000	$ 2,500	$ 500
Land Cover	$ 400,505	$ 730,000	$ 1,000
Land Use	$ 675,510	$ 110,500	$ 125,000
Geocoding/Address Matching	$ 1,026,910	$ 34,000	$ 50,000
Subtotals	$ 14,516,497	$ 9,267,980.00	$ 3,111,000
Total	$26,895,477		
Average Expenditure per Respondent	$401,425		

		All		State		Others
Orthoimagery	$	6,071,432	$	315,520	$	5,755,912
Elevation	$	4,752,610	$	410,000	$	4,342,610
Survey and Geodetic Control	$	2,314,210	$	100,000	$	2,214,210
Transportation	$	3,916,470	$	86,030	$	3,830,440
Boundaries	$	1,378,920	$	13,000	$	1,365,920
Hydrography	$	174,010	$	-	$	174,010
Cadastral (parcels)	$	5,145,920	$	124,000	$	5,021,920
Demographics	$	644,860	$	17,010	$	627,850
Scanned Maps	$	409,680	$	5,500	$	404,180
Climate Data	$	6,000	$	1,000	$	5,000
Land Cover	$	1,131,505	$	-	$	1,131,505
Land Use	$	951,010	$	40,000	$	911,010
Geocoding/Address Matching	$	1,191,920	$	81,010	$	1,110,910
Subtotals	$	28,088,547	$	1,193,070	$	26,895,477
Investment/Organization	$	159,594	$	20,570	$	227,928

Weighting Values	
Essential	3
Important	2
Useful	1
Not Important	0

Score Thresholds	
A	0.75
B	0.50
C	0.25
D	0.00

Edit values in blue cells to change scoring results or display